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PRICEBOOK DATA FOR MINING MACHINERY

Machine and Model	DESCRIPTION	Price, rubles
Coal combine, Gorniak-1	Output, 30-90 tons/hr. Depth of cut, 1.65-1.8 meters. Combine electric motor: model MAD-191/11MG, 1465 RPM, hourly power 65 kw, 380 volts. Loader electric motor: MA-191/35G, 1470 RPM, hourly power 35 kw, 380 volts. Weight of combine 8750.5 kg. Price includes electric motors, sprinkler (<u>opositel'naya</u>) pump apparatus, spare parts and tools. Combine weight includes electric motors, spare parts and tools. <u>Spr. teen, III, 5-6.</u>	90,000
Cutter, BP-2	Height of cutting notch 140 mm. Length of bar, 2 meters. Cutting speed: working, 2.12 and auxiliary 1.07 m/sec. Electric motor: MA-191/10, 1450 RPM, 47 kw hourly power, 380 volts. Width, 750 mm. Height (excluding parts of sprinkler assembly and local illumination) 375 mm. Length in operating position, 3136 mm. Weight, 3483.5 kg. Price includes electric motor but not magneto starter. Machine can be supplied with bars of length 1.6, 1.8, 2.2 and 2.4 meters and price varies accordingly. Weight of machine indicated for 2-meter bar and including spare parts and tools <u>Spr. teen, III-6.</u>	34,600
Cutter, OTE-35M	Height of cutting notch, 120 mm. Depth of cut, 2 meters. Cutting speed, 1.82 m/sec. Electric motor: MAD-191/35, 1456 RPM, 35 kw hourly power, 380 volts. Dimensions: 8705 x 685 x 310 mm. Weight, with 2-meter bar, 2776.9 kg. Price includes electric motor and spare parts. Cutter can be supplied with bars of length 1.6 and 2.2 meters with corresponding change in price. <u>Spr. teen, III-6.</u>	29,660
Coal shaft sinking combine, PK-2M	Shift output: sinking, 6-8 meters; mining, 40-50 tons. Sectional area of output, 5.1-8.05 m ² . Length of combine in operating position, 10,170 mm. Height, 2100-2760 mm. Width at treads, 1720 mm. Weight, 10343 kg. Price and weight include electric equipment. <u>Spr. teen, III-6.</u>	120,700

SPOON DATA FOR MINING MACHINERY - 2

Machine and Model	DESCRIPTION	Price, rubles
Loader, KPM-1M	Output, 30 m ³ /hr. Dipper, 0.2m ³ . Loading front, 2.2 meters. Two electric motors: KTSV 110/75M, 670 RPM, 10.5 kw, 380 volts. Length with dipper released, 2450 mm. Width: in operating position, 1600 mm; in transport position, 1400 mm. Height from railhead: with dipper raised, 2070 mm; with dipper released, 1518 mm. Weight with electric motors, 5000 kg. Price does not include manipulators. <u>Spr. teen, III-7.</u>	24,350
Loader, PML-5	Output, 20 m ³ /hr. Loading front, 2000 mm. Dipper, 0.17 m ³ . Pneumatic motor: DR-10, 650-800 RPM, 10.5 HP. Length with dipper released, 2270 mm; with dipper raised, 1330 mm. With footboard, 1320 mm; without footboard, 1050 mm. Height from railhead with dipper raised, 2200 mm; with dipper released, 1500 mm. Gauge - 580 and 600 mm. Weight, 3000 kg. <u>Spr. teen, III-8.</u>	15,800

PUMPS (Spr. teen, III-9)

Type	Model	Work per stroke, kg.met.	Strokes per minute	Air cons. m ³ /min.	Wt. kg.	Price, rubles
Pneumatic, cutting	CHP-5	3.5	950	1	10.6	111 ² / ₂
"	CH-1A	2.5	1400	1	8	110 ² / ₂
Manual, boring	MM-17A	2.5	1700	2	18.8	388
"with lateral flushing	MM-18	2.5	1700	2	18.8	497
"	MM-31	4	1700	2.4	30	617
Manual, boring	CH-30GL	4	1700	2.4	30	537
"	PM-508	-	1600-1900	2.1-2.6	30.5	750 ² / ₂
Core drilling, with pneumatic motor	KHM-4	8	1800	4	75 ² / ₂	2783

²/ Not including pipe. ²/ Including spare parts. ²/ Including pneumatic feed (podatchik) and slide rails.

Electric drill KEM-19D	Hand drill, with remote control. Half-hour power of electric motor, 1.2 kw. 127 volts. Dimensions: 391 x 316 x 230 mm. Weight, 18 kg. Price includes detachable gears, tools and spare parts. <u>Spr. teen, III-9.</u>	410
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PRICEBOOK DATA FOR MINING MACHINERY - 3

Machine and Model	DESCRIPTION	Price, rubles
Electric drill, ER-4	Hand drill. Half-output electric motor 0.9 kw, 127 volts. ^{hour} Dimensions, 325 x 316 x 224 mm. Weight without cable and plug, 14.6 kg. Price includes plug, detachable gears and spare parts. One starter for every two drills supplied at extra charge. <u>Spr. teen, III-9.</u>	390
Electric drill, ER-5	Hand drill. Half-hour power 1 kw, 127 volts. Dimensions, 370 x 316 x 224 mm. Weight without cable and plug, 17.7 kg. Price inclusions same as ER-4. <u>Spr. teen, III-10.</u>	420 400
Electric drill, ERP-5	With forced feed. Half-hour power 1 kw, 127 volts. Dimensions, 400 x 316 x 250 mm. Weight without cable and plug, 21.5 kg. Price inclusions same as ER-4. <u>Spr. teen, III-10.</u>	50
Electric drill, ERK-2A (ERK-2M)	Core type. Electric motor: 2950 RPM, hour power 2.7 kw, 220 x 380 volts. Dimensions: 1490 x 382 x 360 mm. Weight without core, bit (bur) and cable, 120 kg. Weight of core, 35 kg. Price includes spare parts, detachable geared wheels and set of tools. The cost of the core alone is 135 rubles. <u>Spr. teen, III-10.</u>	1,755
Hand drill, SPB-11	Pneumatic. 2 HP. Air consumption 2 m ³ /min. Air pressure, 5 atm. Dimensions, 370 x 345 x 285 mm. Weight, 12 kg. <u>Spr. teen, III-9.</u>	938

TYPE CASES (Spec. Cases, III, pp. 12-15)

Model	Volume (m ³)	Load capacity (tons)	Length at bumpers (meters)	Width of body with bumpers (meters)	Height from rollhead (meters)	Gauge (mm)	Weight (kg)	Price, rubles
TYPE 1. PIRCASES, STRAINER SIZES, CURVED BOTTOM								
2	0.64	0.58	1.30	0.70	1.20	550	474	710
3	0.71	0.64	1.30	0.80	1.20-1.19	600	490	710
5	0.78	0.70	1.40	0.80	1.20-1.19	600	507	705
6	0.82	0.74	1.40	0.85	1.20	600	510	710
7	0.77	0.69	1.45	0.75	1.20-1.19	550	497	710
8	0.84	0.76	1.50	0.80	1.20-1.19	600	517	715
9	0.89	0.80	1.50	0.85	1.20-1.19	600	520	715
11	0.93	0.84	1.60	0.90	1.20-1.19	600	530	725
12	0.95	0.85	1.60	0.85	1.20-1.19	600	539	735
13	1.06	0.97	1.70	0.90	1.20-1.19	600	556	745
14	1.09	1.00	1.80	0.85	1.20-1.19	600	567	760
23	1.10	1.00	1.80	0.85	1.19	600	635	845
24	1.53	1.38	2.23	0.90	1.25	575	732	940
25	1.40	1.26	2.20	0.85	1.23	600		1035

TYPE 2. PIRCASES, STRAINER SIZES, CURVED BOTTOM, EXTRA-HIGH

MP-9A	1.00	1.10	1.5	0.85	1.30-1.29	600	537	760
MP-12A	1.07	0.95	1.6	0.85	1.29	600	536	780
MP-14A	1.28	1.15	1.8	0.85	1.34	600	591	825
MP-23A	1.37	1.24	1.8	0.85	1.40	600	657	910

TYPE 3. PIRCASES, STRAINER SIZES, CURVED BOTTOM, REINFORCED BOTTOM

MP-16a	1.56	1.41	2.70	0.85	1.20	550-600	825	1400
MP-17a	2.10	1.90	2.80	1.24	1.15	900	1070	1760
MP-18a	1.58	1.42	2.05	1.14	1.16	900	872	1480

(continued)

TYPE CARS - 2

Model	Volume (cu ft)	Load capacity (tons)	Length at humpers (meters)	Width of body with frame (meters)	Height from wheelhead (meters)	Range (mi)	Weight (lb)	Price, \$1000s
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TYPE 4. PICKUPS, STANDARD SERIES, STANDARD BOTTOM

WV-10	0.70	0.80	1.50	0.90	0.93	550	519	775
WV-19	2.53	2.79	2.80	1.25	1.34	900	1535	2300
WV-20A	2.36	2.60	3.20	1.35	0.97	900	1306	1750
WV-20B	1.85	2.03	3.20	1.35	0.82	900	1181	1980
WV-209A	1.85	2.03	3.20	1.35	0.82	900	1147	1980
WV-210	2.36	2.60	3.20	1.35	0.97	900	1224	1760

TYPE 5. PICKUPS, BOTTOM READING

WV-7	2.20	2.00	2.77	1.24	1.15	900	1280	2800
T-1	2.10	2.00	2.80	1.24	1.07	900	1478	3280
WV-21	3.00	3.25	3.60	1.40	1.09	1667	1770	4250
WV-21A	3.12	2.80	3.40	1.39	1.22	900	1480	3100
WV-21B	3.12	2.80	3.40	1.39	1.22	900	1485	3000
WV-21C	4.00	4.40	3.91	1.15	1.44	1600	2520	7400

TYPE 6. CARS WITH DUMP BODY

WV-0.75	0.75	1.5	2.12	1.25	1.19	900	440	651
WV-0.81	0.81	1.6	1.79	1.21	1.26	600	548	1300
WV-1.5	1.50	3.0	2.40	1.77	1.60	900	1225	3400
WV-2	2.00	4.0	2.90	1.77	1.60	900	1360	3790

TYPE 7. PASSENGER TYPE CARS, IMPROVED SERIES

Model series: 3/8	-	125/	4.45	1.05	1.40	500, 550, 575, 600	1700	7120
3/12	-	125/	4.45	1.35	1.40	500	1970	8000

(continued)

MINE CARS - 3

Model	Volume (m ³)	Load capacity (tons)	Length at bumpers (meters)	Width of body with frame (meters)	Height from rollhead (meters)	Gauge (mm)	Weight (kg)	Price, rubles
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TYPE 7. PASSENGER MINE CARS (cont.)

Model series: 4/10	-	100	4.45	1.00	1.45	550, 575 and 600	1700	6050
4/15	-	150	4.45	1.34	1.45	900	1950	6900

TYPE 8. MINE CARS, DUMPERS

Model series: 4/10	0.43	1.0	1.42	0.69	1.24	500	275	825
4/15	0.81	2.0	1.63	1.12	1.24	600	757	1180
4/20	1.00	2.5	2.66	1.22	1.27	750	1342	2330
4/25	0.75	2.0	2.12	1.35	1.22	600	470	950
4/30	0.75	2.0	2.12	1.35	1.22	750	479	980
4/35	1.00	2.5	2.12	1.47	1.29	750	505	1000
4/40	1.00	3.0	2.50	1.15	1.25	750	1200	2900
4/45	0.40	1.0	1.21	0.85	1.14	600	250	850
4/50	0.85	2.5	2.21	1.00	1.35	750	850	2250
4/55	0.60	2.0	1.90	0.96	1.15	600-750	800	1900
4/60	0.38	1.0	1.30	0.85	1.10	600	540	1180

a/ Number of passengers.

b/ Inclines of 6-30° (Model 4/10 and 4/15); inclines of 6-50° (Model 3/8); inclines of 30-50° (Model 3/12).

Source: Ministerstvo ugol'noi promyshlennosti SSSR, Prilozhenie k spetsial'noi tsele na razvitiye i obnovleniye, 1949, pp. 65-68.

B. ELECTRIC RAIL LOCOMOTIVES

Locomotives (a)

Locomotives (a)

Model	Tractive force (kg)	Speed km/hr	Electric motors			Dimensions (mm.)		Coupling weight m. tons	Price, rubles
			No.	kw	volts	Length between bumpers	Width, frame		
14-10R	2580 ^a /	12.4	2	92	250	4900	1290	14.0	62,000
10-10R	1700	11.0	2	41.2	250	4260	1040; 1340 ^c /	1500	27,000
7-10R	1330	11.0	2	41.2	250	4260	970; 1270 ^c /	1500	25,000
TK-10	200 ^a	3.6; 4.9 ^{a, d} /	1	2.15; 2.80 ^d /	50	2015	850 ^b /	1300 ^b /	12,310
TK-2	175	12.5	1	11.4	-	2755	910	1450	14,500
Trolley locomotives									
1-10-1M	480	8.3	-	-	-	2712	920 ^b /	1500 ^c /	20,300
Locomotives for trolley									
3AR or 3ARX	1130	6.5	2	21.2	120	4450	1050; 1350 ^c /	1420	28,500
UK-2u	200 ^a /	3.6; 4.9 ^a /	1	2.15; 2.80 ^d /	45	2015 ^f /	900 ^b /	1210 ^b /	12,060

a/ Indicated for hourly operation. b/ No indication given how measured. c/ First figure for gauge of 550, 575 or 600 mm; second figure for gauge of 750 or 900 mm. d/ First figure, full field; second figure, weakened field. e/ Including folded trolley. f/ Between couplings.

Spavochnik tsen, III. p. 11

Locomotives (3)

1-0 3741 (B)

B. ELECTRIC WIRE LOCOMOTIVES: Price Inclusions

Contact: Models 14-ER, TK-1u: Cost of electric equipment and spare parts included.

Models 10-ER, 7-ER: Cost of electric equipment, spare parts, and instruments included.

Model E3n-2: Cost of electric equipment and instruments included.

Trolley: Cost of electric equipment and spare parts included.

BATTERY
Accumulator:

Model 8ARP or 8 ARPK: Cost of electric equipment, 2 battery cases, one charging table, spare parts, instruments included; cost of alkaline accumulator batteries not included.

Model AK-2u: Cost of electric equipment, 2 charging tables, and spare parts included; cost of accumulator battery not included.